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***TAENIOGONALOS TAIHORINA* (BISCHOFF, 1914) (HYMENOPTERA: TRIGONALYIDAE) IS NEWLY RECORDED SPECIES FROM INDIA**

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Summary. *Taeniogonalos taihorina* (Bischoff, 1914) is recorded from India (Nagaland) for the first time. The differences of the Indian specimen from the type of this species are discussed.

Key words: Trigonalynoidea, hyperparasitoid, fauna, new record, Nagaland.

С. Амал, П. Гириш Кумар, К. ван Ахтерберг, А. Рамешкумар. Вид *Taeniogonalos taihorina* (Bischoff, 1914) (Hymenoptera: Trigonalynoidea) впервые приводится из Индии // Дальневосточный энтомолог. 2024. N 506. С. 7-9.

Резюме. Впервые из Индии (Нагаленд) отмечен *Taeniogonalos taihorina* (Bischoff, 1914). Обсуждаются отличия индийского экземпляра от типа этого вида.

INTRODUCTION

Trigonalynoidea is an unexplored hyperparasitoid wasp family with 124 species under 16 genera (Binoy *et al.*, 2022; Girish Kumar & Hegde, 2023; Femi *et al.*, 2024). The female lays eggs on the caterpillars or sawfly larvae, which in turn need to be parasitized by parasitoid wasps or flies, enabling the larvae to complete their hyperparasitoid life cycle. The knowledge about the diversity and biology of most trigonalynooids are sparse. Recently, Binoy *et al.* (2022), Girish Kumar & Hegde (2023), and Femi *et al.* (2024) have shed some light on trigonalynooids from India. The genus *Taeniogonalos* has eight species from India (Girish Kumar & Hegde, 2023; Femi *et al.*, 2024), and *T. taihorina* (Bischoff, 1914) is newly recorded from India.

MATERIAL AND METHODS

The specimen was collected by using yellow pan traps in Nagaland. The collected specimen was dried, mounted with entomological pin, examined, and illustrated under a Leica Stereo microscope model LEICA M 205A with LEICA DFC 450 Camera. The images

taken at varying focal depths were stacked using LAS. Final illustrations were improved for contrast and brightness using Adobe® Photoshop®CS5 (Version 12.0 x64) software. Voucher specimen has deposited at the 'National Zoological Collections' of the Zoological Survey of India, Western Ghat Regional Centre, Kozhikode, Kerala, India.

The following abbreviations have been used for depositories: **ZMB** – Zoologisches Museum, Humboldt Universität, Berlin, Germany; **ZSIK** – Zoological Survey of India, Western Ghat Regional Centre, Kozhikode.

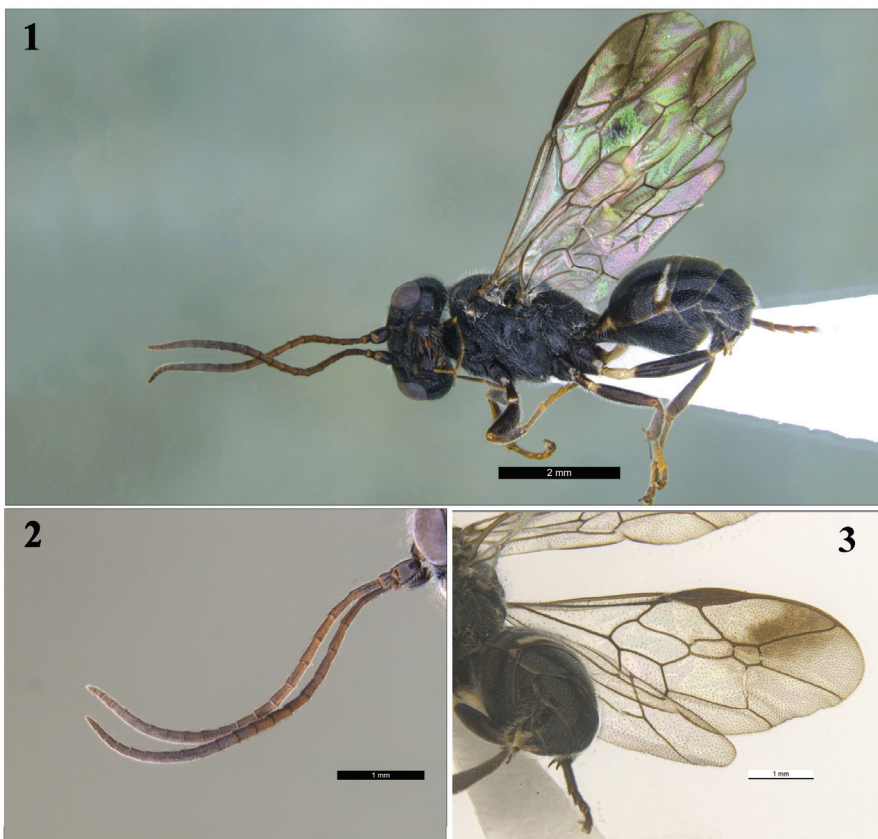
NEW RECORD

Taeniogonalos taihorina (Bischoff, 1914)

Figs 1–3

Nanogonalos taihorina Bischoff, 1914: 93; holotype, ♀, "[China:] Formosa, Taihorin, X.[19]10, H. Sauther S.G. / *taihorina* Bisch., det. Bischoff / Type" (ZMB).

Taeniogonalos taihorina; Carmean & Kimsey, 1998: 68; Chen *et al.*, 2014: 171 .



Figs 1–3. *Taeniogonalos taihorina*, female from India. 1 – habitus; 2 – antennae; 3 – wings.

MATERIAL EXAMINED. **India:** Nagaland, Kohima district, Khonoma Basa, 25°38'40.355" N, 94°01'15.887" E, h=1556 m, 04.XI 2021, 1 ♀, leg. A. Rameshkumar & Party (ZSIK Regd. No. ZSI/WGRC/I.R.-INV.26088).

DIAGNOSIS. (See: Chen *et al.*, 2014).

VARIATIONS. The examined specimen differs from the description of female from Zhejiang (Chen *et al.*, 2014) by yellowish white and elongated spot on T2 (yellow and somewhat oval in description) (Fig. 1); by having 21 antennal segments (22 in description) (Fig. 2); by second submarginal cell $1.25 \times$ third submarginal cell (almost $2.0 \times$ in description) (Fig. 3).

DISTRIBUTION. China, Japan (Hokkaido, Honshu), Russia (Far East) (Chen *et al.*, 2014; Tan *et al.*, 2017), India (Nagaland) (new record).

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